

WHAT IS CLAIMED IS:

1. A process for producing an electric display device of the type wherein a dispersion liquid comprising at least a dispersion medium and
5 electrophoretic particles is disposed in a space defined by a substrate, a partition wall disposed on the substrate, and a sealing film disposed on an upper end portion of the partition wall, said process comprising:
10 a step of disposing a sealing film precursor, comprising a polymerizable compound, supported by a supporting member on both an exposed surface of the dispersion liquid and at least a part of the upper end portion of the partition wall in a state that the
15 dispersion liquid is filled between adjacent partition walls, and
a step of polymerizing the polymerizable compound to form the sealing film.
- 20 2. A process according to Claim 1, wherein the supporting member has a surface which has an affinity to the sealing film precursor.
- 25 3. A process according to Claim 1, wherein the dispersion liquid and the sealing film precursor are insoluble in each other.

4. A process according to Claim 1, wherein the polymerizable compound is a photopolymerizable compound.

5 5. A process according to Claim 4, wherein the photopolymerizable compound comprises a photopolymerizable monomer or oligomer.

6. A process according to Claim 5, wherein the photopolymerizable monomer is 1,4-butanedioldiglycidyl ether diacrylate.

7. A process according to Claim 5, wherein the photopolymerizable oligomer is polytetramethylene ether glycol = di(2-maleimide acetate).

8. A process according to Claim 5, wherein the photopolymerizable monomer or oligomer comprises at least two species of monomers or oligomers.

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9. A process according to Claim 8, wherein one of said at least two species of monomers or oligomers is a fluorine-containing acrylate.

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10. A process according to Claim 8, wherein one of said at least two species of monomers or oligomers is polytetramethylene ether glycol = di(2-maleimide

acetate).

11. A process according to Claim 1, wherein the supporting member is removed from the sealing film
5 after completion of the polymerization.

12. A process according to Claim 11, wherein on the sealing film, another film is disposed after the supporting member is removed.
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13. A process according to Claim 1, wherein the supporting member and the sealing film are transparent.

14. A process for producing an electric display device of the type wherein a dispersion liquid comprising at least a dispersion medium and electrophoretic particles is disposed in a space defined by a substrate, a partition wall disposed on
15 the substrate, and provided with a bonding film at an upper end portion thereof and a sealing film disposed on the upper end portion of the partition wall, said process comprising:
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a step of disposing a bonding film precursor, comprising a polymerizable compound, on the upper end
25 portion of the partition wall,

a step of disposing a sealing film precursor,

comprising a polymerizable compound, on both an exposed surface of the dispersion liquid and at least the surface of the bonding film at the upper end portion of the partition wall, and

5 a step of polymerizing the polymerizable compound in a state that the bonding film precursor contacts the sealing film precursor to integrally form the sealing film and the bonding film.

10 15. A process according to Claim 14, wherein the polymerizable compound has at least one group selected from the group consisting of -O-, -CH₂-O-, -OH-, and -CF₂-.

15 16. A process according to Claim 14, wherein the polymerizable compound has a polyethylene glycol structure.

20 17. A process according to Claim 14, wherein the polymerizable compound is a photopolymerizable compound.

25 18. A process according to Claim 14, wherein the photopolymerizable monomer is 1,4-butanedioldiglycidyl ether diacrylate.

19. A process according to Claim 15, wherein the

partition wall comprises a polymer of the polymerizable compound.